

**METHOD AND SYSTEM FOR A GENERIC DATA MODEL**

**ABSTRACT OF THE DISCLOSURE**

[0119] Systems and methods for a generic data model for the representation of an arbitrarily complex environment are disclosed. These systems and methods allow the representation of any logical or physical entity and the associations and dependencies between these entities. Components may be used to represent the entities while relationships may be used to represent the associations and dependencies between the entities. A typing system may be utilized in conjunction with a generic data model to define a hierarchy of components and relationships for use with a particular category of environments. The data structures associated with a generic data model may be stored utilizing a table schema which does not change with the addition of new data structures or types of data structures. Applied data models created from these generic data models may be searched utilizing a query language which allows efficient searching of the applied data model, and structuring of the concomitant results.